

# John Henry J Scott

## List of Publications by Year in descending order

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Version: 2024-02-01

46  
papers

1,123  
citations

840776

11  
h-index

794594

19  
g-index

52  
all docs

52  
docs citations

52  
times ranked

1567  
citing authors

#	ARTICLE	IF	CITATIONS
1	Variable Pressure Scanning Electron Microscopy (VPSEM). , 2018, , 173-185.		4
2	ImageJ and Fiji. , 2018, , 187-193.		1
3	SEM Case Studies. , 2018, , 201-207.		0
4	Energy Dispersive X-ray Spectrometry: Physical Principles and User-Selected Parameters. , 2018, , 209-234.		2
5	Backscattered Electrons. , 2018, , 15-28.		6
6	Quantitative Analysis: The SEM/EDS Elemental Microanalysis k-ratio Procedure for Bulk Specimens, Step-by-Step. , 2018, , 309-339.		1
7	Trace Analysis by SEM/EDS. , 2018, , 341-357.		2
8	Low Beam Energy X-Ray Microanalysis. , 2018, , 359-380.		0
9	Analysis of Specimens with Special Geometry: Irregular Bulk Objects and Particles. , 2018, , 381-411.		0
10	Compositional Mapping. , 2018, , 413-439.		1
11	X-Ray Microanalysis Case Studies. , 2018, , 471-479.		35
12	Cathodoluminescence. , 2018, , 481-489.		0
13	Characterizing Crystalline Materials in the SEM. , 2018, , 491-515.		0
14	Secondary Electrons. , 2018, , 29-37.		5
15	Focused Ion Beam Applications in the SEM Laboratory. , 2018, , 517-528.		0
16	X-Rays. , 2018, , 39-63.		3
17	Scanning Electron Microscope (SEM) Instrumentation. , 2018, , 65-91.		6
18	Image Formation. , 2018, , 93-110.		1

#	ARTICLE	IF	CITATIONS
19	SEM Image Interpretation. , 2018, , 111-121.		4
20	The Visibility of Features in SEM Images. , 2018, , 123-131.		2
21	Image Defects. , 2018, , 133-146.		1
22	Electron Beamâ€™Specimen Interactions: Interaction Volume. , 2018, , 1-14.		3
23	Qualitative Elemental Analysis by Energy Dispersive X-Ray Spectrometry. , 2018, , 265-287.		4
24	Attempting Electron-Excited X-Ray Microanalysis in the Variable Pressure Scanning Electron Microscope (VPSEM). , 2018, , 441-459.		0
25	Dropwise Condensation of Low Surface Tension Fluids on Omniphobic Surfaces. Scientific Reports, 2014, 4, 4158.	3.3	173
26	How nanorough is rough enough to make a surface superhydrophobic during water condensation?. Soft Matter, 2012, 8, 8786.	2.7	165
27	Direct Imaging of Complex Nano- to Microscale Interfaces Involving Solid, Liquid, and Gas Phases. ACS Nano, 2012, 6, 9326-9334.	14.6	88
28	Guided Three-Dimensional Catalyst Folding during Metal-Assisted Chemical Etching of Silicon. Nano Letters, 2011, 11, 2369-2374.	9.1	75
29	Dynamics of Nanoparticle Self-Assembly into Superhydrophobic Liquid Marbles during Water Condensation. ACS Nano, 2011, 5, 9746-9754.	14.6	55
30	Three dimensional aspects of droplet coalescence during dropwise condensation on superhydrophobic surfaces. Soft Matter, 2011, 7, 8749.	2.7	93
31	Methodology for Imaging Nano-to-Microscale Water Condensation Dynamics on Complex Nanostructures. ACS Nano, 2011, 5, 5962-5968.	14.6	84
32	Directed 2D to 3D Pattern Transfer Method for Controlled Fabrication of Topologically Complex 3D Features in Silicon. Advanced Materials, 2011, 23, 659-663.	21.0	27
33	Accuracy issues in chemical and dimensional metrology in the SEM and TEM. Measurement Science and Technology, 2007, 18, 2755-2761.	2.6	7
34	Analytical advances in the SEM. Analytical and Bioanalytical Chemistry, 2003, 375, 38-40.	3.7	8
35	Parallax measurements of integrated circuit interconnects using a scanning transmission electron microscope. Journal of Applied Physics, 2003, 93, 2193-2197.	2.5	5
36	Determination of Factors Affecting HRTEM Gate Dielectric Thickness Measurement Uncertainty. AIP Conference Proceedings, 2003, , .	0.4	2

#	ARTICLE	IF	CITATIONS
37	Complex Polymorphic Behavior and Dielectric Properties of Perovskite-Related Sr(Sr <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> . Journal of Solid State Chemistry, 2002, 166, 24-41.	2.9	22
38	Gate dielectric thickness metrology using transmission electron microscopy. AIP Conference Proceedings, 2001, , .	0.4	0
39	Neutron powder diffraction of carbon-coated FeCo alloy nanoparticles. Journal of Applied Physics, 1999, 85, 4409-4411.	2.5	28
40	Chemical Characterization of Magnetic Materials at High Spatial Resolution. Materials Research Society Symposia Proceedings, 1999, 577, 373.	0.1	0
41	Transmission Electron Microscopic Observations on Technegas and Pertechnegas. Aerosol Science and Technology, 1998, 28, 523-530.	3.1	1
42	Thermal Plasma Synthesis of Fe-Co Alloy Nanoparticles. Materials Research Society Symposia Proceedings, 1997, 501, 121.	0.1	9
43	Carbon Coated Nanoparticle Composites Synthesized in an RF Plasma Torch. Materials Research Society Symposia Proceedings, 1996, 457, 219.	0.1	11
44	Energy-Filtered Tem of Ag-Co Thin Films. Materials Research Society Symposia Proceedings, 1995, 403, 731.	0.1	1
45	Morphology, structure, and growth of nanoparticles produced in a carbon arc. Physical Review B, 1995, 52, 12564-12571.	3.2	185
46	Morphology of Nanoparticles and Fullerene Blacks Produced in A Carbon Arc. Materials Research Society Symposia Proceedings, 1994, 359, 41.	0.1	0